

ABSTRACT

To prevent a detection signal of a voltage sensor housed in a container from extremely deteriorating due to thunderstorm or the like which forms a conductive water film layer on an outer surface of an insulation cover body of the container housing a noncontact sensor, the layer being electrically connected to earthing, resulting in an earth potential.

The container comprises a container body having an opening at one side, and the insulation cover body for sealing the opening of the container body. A plate type electrode insulated from a ground is housed in the container. With the cover body side opposing to a charging part of such as cables of an aerial line, a voltage induced by the plate type electrode due to aerial electric charges between the charging part and the plate type electrode in the container to allow detection of the voltage in the charging part. The cover body of the noncontact sensor is made of a fluorine contained resin such as an ethylene tetrafluoride resin.